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CATALOG OF SEED AND VEGETATIVE STOCK  
AVAILABLE FROM THE SOUTHERN REGIONAL  
PLANT INTRODUCTION STATION

Guar

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1978



Catalog of Seed and Vegetative Stock  
Available From the  
Southern Regional Plant Introduction Station

GUAR  
(*Cyamopsis tetragonoloba*)

Compiled by  
REGIONAL PROJECT S-9  
of the  
Agricultural Experiment Stations  
of  
Alabama, Arkansas, Florida, Georgia, Hawaii,  
Kentucky, Louisiana, Mississippi, North Carolina,  
Oklahoma, Puerto Rico, South Carolina, Tennessee,  
Texas, and Virginia  
and the  
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of the  
U.S. Department of Agriculture

1978

This catalog, which supersedes the edition of March 1968, is available from the Southern Regional Plant Introduction Station, Science and Education Administration, U.S. Department of Agriculture, Experiment, Ga. 30212. Other catalogs in this series:

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*Sesamum* Species. August 1978.

Castors. September 1978.

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## Foreword

Seeds of the plant introductions listed herein are available in small quantities to research workers on request to the Southern Regional Plant Introduction Station, Experiment, Ga. 30212. This inventory is cumulative for plant materials grown at the regional station or by cooperating State experiment stations since 1949, when the S-9 "New Plants" project was initiated. During the year of seed multiplication, plants were observed, when possible, for agronomic and horticultural characteristics, disease resistance, and other desirable genetic characters. These data are summarized for the use of plant scientists who wish to select plant materials for research.

Many plant species that are not in this seed list are available at the Northeastern Regional Plant Introduction Station, Geneva, N.Y. 14456; North Central Regional Plant Introduction Station, Ames, Iowa 50010; and the Western Regional Plant Introduction Station, Pullman, Wash. 99163. The Plant Germplasm Technical Committee member in each State can provide a list of plant materials available at each station. In the Southern States, Hawaii, and Puerto Rico the members are:

Alabama: C. S. Hoveland, Department of Agronomy, Agricultural Experiment Station, Auburn, Ala. 36830.

Arkansas: John L. Bowers, Department of Horticulture and Forestry, Agricultural Experiment Station, Fayetteville, Ark. 72701.

Florida: Gordon M. Prine, Department of Agronomy, Agricultural Experiment Station, Gainesville, Fla. 32611.

Georgia: W. R. Langford, Regional Plant Introduction Station, Experiment, Ga. 30212.

Hawaii: R. A. Hamilton, Department of Horticulture, College of Tropical Agriculture, University of Hawaii, Honolulu, Hawaii 96822.

Kentucky: R. E. Sigafus, Department of Agronomy, Agricultural Experiment Station, Lexington, Ky. 40506.

Louisiana: R. J. Stadtherr, Department of Horticulture, Agricultural Experiment Station, Baton Rouge, La. 70803.

Mississippi: R. G. Creech, Department of Agronomy, Agricultural Experiment Station, Mississippi State, Miss. 39762.

North Carolina: W. T. Fike, Department of Crop Science, North Carolina State University, Raleigh, N.C. 27607.

Oklahoma: James S. Kirby, Department of Agronomy, Agricultural Experiment Station, Stillwater, Okla. 74074.

Puerto Rico: Oscar D. Ramirez, Department of Plant Breeding, Agricultural Experiment Station, Río Piedras, P.R. 00928.

South Carolina: D. W. Bradshaw, Department of Horticulture, Agricultural Experiment Station, Clemson, S.C. 29631.

Tennessee: L. N. Skold, Department of Plant and Soil Sciences, University of Tennessee, Knoxville, Tenn. 37901.

Texas: E. L. Whiteley, Department of Agronomy, Agricultural Experiment Station, College Station, Tex. 77843.

Virginia: A. J. Lewis III, Department of Horticulture, Agricultural Experiment Station, V.P.I. & S.U., Blacksburg, Va. 24061.

Plant scientists in the Southern Region having a need for plant germplasm not available at any of the regional stations or other units of the National Plant Germplasm System should direct their requests to the Coordinator, Regional Project S-9, Southern Regional Plant Introduction Station, Experiment, Ga. 30212. Scientists in the North Central, Northeastern, or Western Regions should direct similar requests to the Coordinator, Regional Project NC-7, NE-9, or W-6, at the appropriate Regional Plant Introduction Station.

W. R. Langford  
Coordinator, Regional Project S-9  
Science and Education Administration

## *Cyamopsis tetragonoloba* Introductions

The following symbols and abbreviations are used in the table of *Cyamopsis tetragonoloba* introductions:

<u>Column</u>	<u>Interpretation</u>
Source.....	CO LE, Zaire. PAK, Pakistan. SENGL, Senegal.
Maturity.....	1, early. 5, midseason. 9, late.
Stem type.....	1, branched. 2, not branched. 4, mixture of branched and unbranched plants.
Plant surface.....	1, glabrous. 2, pubescent. 3, mixture of glabrous plants and pubescent plants.
Seed production.....	1, low. 5, medium. 9, high.
Leaf spot.....	Defoliation of plants caused by <i>Alternaria cucmerina</i> and <i>Xanthomonas</i> spp., primarily the former. 1, 1 to 20% of leaf area infected. 2, 21 to 40% of leaf area infected. 3, 41 to 60% of leaf area infected. 4, 61 to 80% of leaf area infected. 5, 81 to 100% of leaf area infected.

Plant introduction No.	Source	Cultivar or other identification	Maturity	Plant height (dm)	Stem type	Plant surface	Pod length (mm)	Seed production	Seed weight (dg/100 seeds)	Leaf spot
116034	INDIA	NO 459 GOWAR		12	2	2	64	5	23	5
158116	INDIA	NO 42		6	2	2		9	27	
158118	INDIA	SIRSA 2	9	13	4	2		5	36	1
158119	INDIA	SIRSA 56		13	1	2	64	5	37	4
158120	INDIA	SIRSA 69	9	13	4	2	51	1	35	4
158121	INDIA	SIRSA N H 1	9	12	1	2	51	1	32	4
158123	INDIA	AHMEDNAGAR	5	12	4	2	51	5	36	4
158124	INDIA	SOTIA	5	8	1	2		5	30	
158125	INDIA	MULKHANIA		10	2	2		9	36	
158126	INDIA	SURTI		5	1	3		5	36	
158129	INDIA	PARDESHI	9	12	2	2	51	5	28	5
158130	INDIA									
158131	USSR	BESSONOVSKY								
163103	INDIA	NO 8423 GAWAR		12	4	2	51	9	36	4
163104	INDIA	NO 8329 GAWAR		12	1	2		9	34	
164170	INDIA	NO 8882 GAWAR		12	1	2	51	1	37	2
164299	INDIA	NO 8935 KATAVERI	5	15	4	3		9	33	
164353	INDIA	NO 8335 GAWAR	5	11	1	2		5	34	2
164386	INDIA	NO 8679 GAWAR	5	13	1	2		9	34	2
164420	INDIA	NO 8713 GAWAR	1	12	4	2		9	38	3
164429	INDIA	NO 8722 GAWAR		9	1	2		9	34	1
164476	INDIA	NO 8769 GAWAR	5	14	2	2		1	37	3
164477	INDIA	NO 8770 GAWAR	5	8	2	2		1	28	1
164592	INDIA	NO 9016 KOTAVERI								
164765	INDIA	NO 9193 GUAR		11	1	2	51	5	35	4
164799	INDIA	NO 9229 GUAR		12	4	2	64	5	32	3
164801	INDIA	NO 9231 GUAR	9	12	1	2	51	5	34	4
165511	INDIA	NO 9315 GUAR		13	1	2	76	1	43	3
165527	INDIA	NO 9332 DARERA		10	1	3			36	

Plant introduction No.	Source	Cultivar or other identification	Maturity	Plant height (dm)	Stem type	Plant surface	Pod length (mm)	Seed production	Seed weight (dg/100 seeds)	Leaf spot
176373	INDIA	CHAWALIA		14	1	2	51	1	30	3
176375	INDIA	PARDESHI	9	15	4	2	51	1	35	3
176377	INDIA	SIRSA 56		13	1	2			39	
176378	INDIA	SURTI		16	1	2			36	2
179682	INDIA	NO 10609	5	13	1	2		9	32	3
179683	INDIA	NO 10676	9	9	4	2	38	5	27	4
179685	INDIA	NO 10720	5	10	1	2		9	36	3
179686	INDIA	NO 10910		13	4	2	76	1	37	3
179926	INDIA	NO 10521								
179927	INDIA	NO 10621								
179928	INDIA	NO 10714	5	5	1	2	51	5	37	5
179929	INDIA	NO 10731	5	15	4	2		5	31	3
179930	INDIA	NO 10752	5	10	1	3	51	5		5
179931	INDIA	NO 11070		12	2	3	27	1	40	4
180285	INDIA	NO 10765								
180286	INDIA	NO 10797								
180287	INDIA	NO 10812								
180288	INDIA	NO 11009	5	12	1	3		9	38	2
180432	INDIA	NO 10871		11	1	3		9	41	
180433	INDIA	NO 10909	5	14	1	2		5	35	2
180434	INDIA	NO 10949		12	1	2			37	
182968	INDIA	NO 11169	5	14	1	3		5	35	3
182969	INDIA	NO 11300		17	1	2				
183129	INDIA	NO 11097								
183315	INDIA	NO 11222 GUAR		17	1	3			32	3
183400	INDIA	NO 11397	5	16	1	1		9	45	2
183449	INDIA	NO 11343								
186477	INDIA			19	4	3	64	1	36	
198296	INDIA	DELHI LOCAL IC 32		12	1	2	51	5	39	3

Plant introduction No.	Source	Cultivar or other identification	Maturity	Plant height (dm)	Stem type	Plant surface	Pod length (mm)	Seed production	Seed weight (dg/100 seeds)	Leaf spot
198297	INDIA	PARDESHI IC 44		15	2	2	64	5	40	4
212900	INDIA	NO 13257		12	1	2		1	37	
212986	INDIA	NO 13380	5	11	2	3	76	5	40	4
212987	INDIA	NO 13412	9	14	1	2	2	5	43	4
212988	INDIA	NO 13413								
214041	INDIA	NO 13452 GORIKAI			2	2			35	
214319	INDIA	NO 13678		12	1	2	64	9	34	4
214320	INDIA	NO 13711		12	1	2	64	9	35	4
215590	INDIA	NO 13643		11	1	2	51	9	35	
215591	INDIA	NO 13686	5	13	1	2	51	9	36	4
217923	INDIA	EC 248A		11	2	2	64	9	27	5
217924	INDIA	IC 32		11	1	2	51	5	38	4
217925	INDIA	IC 43		16	1	2	76	9	34	3
223685	INDIA	NO 2 S-160-1		11	1	2			34	
223686	INDIA	NO 3 78-21-6		10	1	2	76	5	37	4
236478	INDIA	PUSA MAUSMI		13	1	3	76	5	36	3
236479	INDIA	PUSA SADARHARA		9	2	2	2	9	39	4
250211	PAK	COL NO K634		9	1	2		5	33	
250212	PAK	COL NO K635		9	1	2		5	34	
250213	PAK	COL NO K636		9	1	2		5	36	
250214	PAK	COL NO K637		9	1	2		5	34	
250357	PAK	COL NO K616		9	4	2		5	31	
250358	PAK	COL NO K617		9	1	2		5	34	
250359	PAK	COL NO K618		8	1	2		5	31	
250360	PAK	COL NO K619		8	2	2		5	41	
253182	USA	B-49819		6	4	2		5		
253183	USA	B-49820								
253184	USA	B-49821		8	2	2		5	31	
253185	USA	B-49822								

Plant introduction No.	Source	Cultivar or other identification	Maturity	Plant height (dm)	Stem type	Plant surface	Pod length (mm)	Seed production	Seed weight (dg/100 seeds)	Leaf spot
253186	USA	B-49823		7	2	2		5	25	
253187	USA	B-49824		5	2	2		5	28	
254367	INDIA	PUSA MAUSMI		6	4	3		5	35	
254368	INDIA	PUSA SADABAHAR		5	2	2		5	38	
255928	INDIA	PUSA SADABAHAR		15	2	2			40	
262151	PAK	IC-82 NO 2/13		9						
262152	PAK	IC-83 NO 3		8						
262153	PAK	IC-84 NO 2/3		8	4	3				
262154	PAK	IC-85 NO 1/95		11						
262155	PAK	IC 86 NO 2								
262156	PAK	IC 87 NO 2/51								
262157	PAK	IC 88 NO 1/3		17	1	2			28	2
263406	CO LE			10	1	3			36	
263525	SENGL									
263698	SUDAN			13	1	2	51	1	33	3
263874	INDIA	IC 32		12	1	2	51	5	44	4
263875	INDIA	IC 33		14	4	2	76	9	39	4
263876	INDIA	IC 39		16	1	2	76	9	40	3
263877	INDIA	IC 547								
263878	INDIA	IC 642								
263879	INDIA	IC 739		11	1	3			39	
263880	INDIA	IC 860		13	4	2	76	5	35	4
263881	INDIA	IC 2334	5	12	2	2	76	9	37	5
263882	INDIA	IC 2488		12	1	2	51	5	35	3
263883	INDIA	IC 3106		14	2	1	2	5	39	2
263884	INDIA	IC 3118		13	2	1	2	9	43	5
263885	INDIA	IC 3215 NO 47		13	1	2	64	5	34	3
263886	INDIA	IC 3268		12	1	2	76	1	38	3
263887	INDIA	IC 3289	5	11	2	2	1		34	4

Plant introduction No.	Source	Cultivar or other identification	Maturity	Plant height (dm)	Stem type	Plant surface	Pod length (mm)	Seed production	Seed weight (dg/100 seeds)	Leaf spot
263888	INDIA	IC 3773		15	2	1	2	9	39	4
263889	INDIA	IC 5490		14	4	2	51	9	25	5
263890	INDIA	IC 5491		13	1	2	64	5	33	4
263891	INDIA	IC 5493		14	1	2	76	5	33	3
263892	INDIA	IC 5494		14	1	2	76	5	36	4
263893	INDIA	IC 5495		13	1	2	76	5	38	4
263894	INDIA	IC 5496		13	1	2	76	5	42	3
263895	INDIA	IC 5497		12	1	2	76	5	38	4
263896	INDIA	IC 5498		13	1	2	76	1	36	5
263897	INDIA	IC 5656		13	1	2	51	5	36	5
263898	INDIA	IC 40 SOTIA RED POD		12	1	2	51	1	36	3
263899	INDIA	IC 41 DESI		13	4	2	51	5	45	3
263900	INDIA	SADA	5	11	2	2	27			3
263901	INDIA	MONSAMI		15	2	3	64	5	36	3
268228	IRAN	COL NO 35 SIND	9	15	1	2			34	2
268229	IRAN	COL NO 36 PUNJAB	9	12	1	2			36	2
271159	INDIA	NO 1495 PUSA SADABAHAR								
271534	INDIA	COL NO 1361								
271535	INDIA	COL NO 1362								
271540	INDIA	COL NO 1367		16	1	2			31	1
271541	INDIA	COL NO 1368								
271542	INDIA	COL NO 1369								
271544	INDIA	COL NO 1371		11	1	2			38	
271545	INDIA	COL NO 1372								
271546	INDIA	COL NO 1373								
271548	INDIA	COL NO 1375								
271549	INDIA	COL NO 1376								
271550	INDIA	COL NO 1377								
271551	INDIA	COL NO 1378								

Plant introduction No.	Source	Cultivar or other identification	Maturity	Plant height (dm)	Stem type	Plant surface	Pod length (mm)	Seed production	Seed weight (dg/100 seeds)	Leaf spot
275322	INDIA	COL NO 1379								
275323	INDIA	COL NO 1380								
288347	INDIA	NO 77	1	14	1	2		5	44	1
288351	INDIA	NO 81	9	14	1	2		5	45	2
288355	INDIA	NO 85	9	12	1	3		5	45	2
288357	INDIA	NO 87	9	11	1	1		5	45	1
288358	INDIA	NO 88	5	10	1	3		9	51	1
288359	INDIA	NO 89	5	3	1	3		9	51	2
288362	INDIA	NO 92	9	11	1	3		5	42	2
288365	INDIA	NO 95	9	12	1	1		5	44	1
288369	INDIA	NO 99	9	12	1	1		5	42	2
288371	INDIA	NO 101	9	11	1	1		5	49	2
288373	INDIA	NO 103	9	11	1	1		5	45	2
288377	INDIA	NO 107	1	10	1	2		9	44	1
288384	INDIA	NO 114	1	13	1	2		5	44	2
288385	INDIA	NO 115	1	11	1	2		5	42	1
288386	INDIA	NO 116	1	10	1	2		1	41	2
288388	INDIA	NO 118	5	11	1	2		5	38	2
288389	INDIA	NO 119	1	12	1	2		5	44	2
288390	INDIA	NO 120	1	12	4	2		5	44	1
288392	INDIA	NO 122	1	12	4	2		5	44	3
288394	INDIA	NO 124 S-168-1	9	13	1	2		5	41	1
288395	INDIA	NO 124 S-187-13	9	12	1	2		5	46	2
288407	INDIA	NO 136	1	14	1	2		5	40	2
288408	INDIA	NO 137	1	12	1	2		5	47	2
288409	INDIA	NO 138	1	12	1	2		5	45	2
288413	INDIA	NO 179	5	10	1	1		5	44	1
288414	INDIA	NO 180	5	10	1	1		5	52	2
288415	INDIA	NO 186	5	10	1	3		5	42	2

Plant introduction No.	Source	Cultivar or other identification	Maturity	Plant height (dm)	Stem type	Plant surface	Pod length (mm)	Seed production	Seed weight (dg/100 seeds)	Leaf spot
288418	INDIA	NO 209	1	10	1	1		5	45	2
288419	INDIA	NO 225	1	9	1	1		5	46	1
288424	INDIA	NO 264	9	11	1	1		9	47	
288425	INDIA	NO 280	1	11	1	2		5	41	2
288426	INDIA	NO 282	9	10	1	3		5	58	
288427	INDIA	NO 291	9	13	1	2		5	43	
288429	INDIA	NO 300	9	12	1	1		5	53	2
288431	INDIA	NO 320	1	11	1	3		5	38	3
288432	INDIA	NO 326	1	11	1	1		5	37	2
288435	INDIA	NO 337	1	12	1	2		5	35	3
288442	INDIA	NO 375	1	13	1	2		9	39	3
288443	INDIA	NO 376	1	10	1	2		1	40	
288444	INDIA	NO 379	1	11	1	2		5	39	4
288737	INDIA	COL NO 418	5	15	1	2		9	42	1
288738	INDIA	COL NO 421	1	15	1	2		9	41	2
288739	INDIA	COL NO 436	5	13	1	2		9	42	1
288740	INDIA	COL NO 439	9	14	1	2		5	44	2
288741	INDIA	COL NO 447	5	11	1	2		5	41	1
288742	INDIA	COL NO 449	1	12	1	3		9	39	2
288743	INDIA	COL NO 456	5	10	1	2		5	41	1
288744	INDIA	COL NO 459	5	13	1	2		9	44	2
288745	INDIA	COL NO 464	1	14	1	2		9	42	1
288747	INDIA	COL NO 471	5	22	4	2		5	41	2
288748	INDIA	COL NO 479	1	14	1	2		9	40	2
288749	INDIA	COL NO 488	1	12	1	2		9	41	2
288750	INDIA	COL NO 496	1	11	1	2		5	46	2
288751	INDIA	COL NO 502	5	13	1	2		5	44	2
288752	INDIA	COL NO 511	1	12	1	2		5	43	
288753	INDIA	COL NO 513	5	12	2	2		5	43	2

Plant introduction No.	Source	Cultivar or other identification	Maturity	Plant height (dm)	Stem type	Plant surface	Pod length (mm)	Seed production	Seed weight (dg/100 seeds)	Leaf spot
288754	INDIA	COL NO 517	5	12	2	2		9	45	1
288755	INDIA	COL NO 518	5	13	4	2		5	44	2
288756	INDIA	COL NO 529	5	12	1	2		5	44	1
288757	INDIA	COL NO 547	1	14	1	2		9	41	2
288758	INDIA	COL NO 551	1	12	1	2		9	43	1
288759	INDIA	COL NO 557	1	12	1	2		9	41	2
288760	INDIA	COL NO 563	1	14	4	2		9	44	2
288761	INDIA	COL NO 570	1	12	1	2		5	45	2
288762	INDIA	COL NO 576	1	12	1	2		5	43	1
288763	INDIA	COL NO 582	1	11	1	2		9	44	2
322775	INDIA	IC 57A-1								
323002	INDIA	IC 11350								
338796	INDIA	PLG 202								
338811	INDIA	PLG 241								
338813	INDIA	PLG 245								
338831	INDIA	PLG 275								
338847	INDIA	PLG 304								
338863	INDIA	PLG 335								
338865	INDIA	PLG 337								
338870	INDIA	PLG 349								
338872	INDIA	PLG 353								
338877	INDIA	PLG 365								
338878	INDIA	PLG 366								
338890	INDIA	PLG 386								
338891	INDIA	PLG 387								
338893	INDIA	PLG 392								
338896	INDIA	PLG 401								
340224	INDIA	PLG 407								

Plant introduction No.	Source	Cultivar or other identification	Maturity	Plant height (dm)	Stem type	Plant surface	Pod length (mm)	Seed production	Seed weight (dg/100 seeds)	Leaf spot
340226	INDIA	PLG 418								
340227	INDIA	PLG 420								
340235	INDIA	PLG 438								
340236	INDIA	PLG 440								
340237	INDIA	PLG 441								
340239	INDIA	PLG 451								
340240	INDIA	PLG 452								
340241	INDIA	PLG 453								
340243	INDIA	PLG 455								
340244	INDIA	PLG 456								
340245	INDIA	PLG 458								
340246	INDIA	PLG 460								
340248	INDIA	PLG 464								
340252	INDIA	PLG 469								
340253	INDIA	PLG 471								
340255	INDIA	PLG 476								
340256	INDIA	PLG 477								
340257	INDIA	PLG 478								
340258	INDIA	PLG 479								
340259	INDIA	PLG 480								
340261	INDIA	PLG 482								
340263	INDIA	PLG 484								
340264	INDIA	PLG 485								
340265	INDIA	PLG 486								
340266	INDIA	PLG 489								
340267	INDIA	PLG 491								
340268	INDIA	PLG 493								
340269	INDIA	PLG 495								
340271	INDIA	PLG 497								

Plant introduction No.	Source	Cultivar or other identification	Maturity	Plant height (dm)	Stem type	Plant surface	Pod length (mm)	Seed production	Seed weight (dg/100 seeds)	Leaf spot
340274	INDIA	PLG 501								
340275	INDIA	PLG 502								
340334	INDIA	PLG 574								
340380	INDIA	PLG 636								
340391	INDIA	PLG 647								
340392	INDIA	PLG 648								
340393	INDIA	PLG 649								
340394	INDIA	PLG 650								
340396	INDIA	PLG 654								
340398	INDIA	PLG 656								
340399	INDIA	PLG 657								
340400	INDIA	PLG 658								
340401	INDIA	PLG 659								
340402	INDIA	PLG 660								
340403	INDIA	PLG 661								
340506	INDIA	PLG 776								
340507	INDIA	PLG 777								
340508	INDIA	PLG 778								
340509	INDIA	PLG 779								
340511	INDIA	PLG 782								
340512	INDIA	PLG 783								
340513	INDIA	PLG 784								
340514	INDIA	PLG 785								
340515	INDIA	PLG 786								
340516	INDIA	PLG 787								
340517	INDIA	PLG 788								
340518	INDIA	PLG 789								
340520	INDIA	PLG 791								
340521	INDIA	PLG 792								

Plant introduction No.	Source	Cultivar or other identification	Maturity	Plant height (dm)	Stem type	Plant surface	Pod length (mm)	Seed production	Seed weight (dg/100 seeds)	Leaf spot
340523	INDIA	PLG 794								
340524	INDIA	PLG 795								
340525	INDIA	PLG 796								
340526	INDIA	PLG 797								
340527	INDIA	PLG 798								
340528	INDIA	PLG 799								
340533	INDIA	PLG 805								
340535	INDIA	PLG 807								
340540	INDIA	PLG 812								
340541	INDIA	PLG 813								
340542	INDIA	PLG 814								
340544	INDIA	PLG 816								
340546	INDIA	PLG 818								
340547	INDIA	PLG 819								
340548	INDIA	PLG 820								
340549	INDIA	PLG 821								
340550	INDIA	PLG 822								
340584	INDIA	PLG 860								
340655	INDIA	PLG 399								



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